

CLAIMS

1. A plant infected with a modified virus comprising modified viral nucleic acid, said modified viral nucleic acid comprising a nucleotide sequence coding for a foreign peptide inserted in plant viral genomic nucleic acid that codes for an expressed portion of the viral coat protein, wherein said nucleotide sequence coding for a foreign peptide is inserted at a site such that there is no significant interference with the capacity of said modified virus to assemble.

2. The plant of Claim 1, wherein said foreign peptide comprises an antigen.

3. The plant of Claim 2, wherein said antigen is a viral antigen.

4. The plant of Claim 3, wherein said viral antigen is derived from Foot and Mouth disease virus.

5. The plant of Claim 3, wherein said viral antigen is derived from human immune deficiency virus.

6. The plant of Claim 3, wherein said viral antigen is derived from human rhinovirus.

7. The plant of Claim 1, wherein said modified virus is an RNA virus.

8. The plant of Claim 1, wherein said modified virus is a modified comovirus.

9. A method of producing modified plant virus particles, comprising:

- a) providing i) plant material selected from the group consisting of an intact plant, plant tissue, plant cells and protoplasts, ii) a plant virus

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- b) introducing said nucleotide sequence coding for a foreign peptide at that part of said plant viral genome that codes for an expressed portion of the viral coat protein, so as to create modified viral nucleic acid;
- c) infecting said plant material with said modified viral nucleic acid, so as to create an infected plant material; and
- d) harvesting assembled plant virus particles from said infected plant material.

10. The method of Claim 9, wherein said foreign peptide comprises an antigen.

11. The method of Claim 10, wherein said antigen is a viral antigen.

12. The method of Claim 11, wherein said viral antigen is derived from Foot and Mouth disease virus.

13. The method of Claim 11, wherein said viral antigen is derived from human immune deficiency virus.

14. The method of Claim 11, wherein said viral antigen is derived from human rhinovirus.

15. The method of Claim 9, wherein said modified virus is an RNA virus.

16. The method of Claim 9, wherein said modified virus is a modified comovirus.